

# Notifiable and High Potential Incidents

## NSW Metalliferous, Extractives and Other Non-Coal - September 2012

Please review and consider for relevance at your worksite.

### Metalliferous, Extractives & Other Non-Coal

#### Electrical Energy (4)

##### MHSR 2007 CI 145(c)(ii) imminent risk of explosion or fire (1)

- Arc flash in hydrator panel when equipment started by operator [317613659001]

##### MHSR 2007 CI 145(d)(i) involving electricity, person suffers injury, receives medical treatment or unable to attend work (1)

- Apprentice received electric shock after replacing faulty emergency lighting. [317613557001]

##### MHSR 2007 CI 145(d)(iii) involving electricity, person receives electric shock from source operating above extra low voltage (2)

- Suspected electric shock, operator in contact with loader when supply was reset. Faulty protection relay allowed reclosing power against a fault. The high impedance earthing integrity was checked and found operational. Operators were prepared to reclose against an earth fault. Steps were taken to correct this inappropriate action by securing the EL reset facilities at the mine against unauthorised operation. [317612955001]
- Operator attempting to restart a pump reported receiving an electric shock when he attempted to reset the pump isolator. [317613699001]

#### Explosives (2)

##### MHSR 2007 CI 145(l) ejection of fly rock so that it falls outside blast exclusion zone (1)

- A flyrock incident caused damage to a rural machinery shed. [317613190001]

##### Explosives Regulation 2005 : 75(1)(c) incident involving explosives and involving risk of an uncontrolled explosion or fire or of any such death, injury or damage (1)

- A booster and detonator was found in the muck-pile of a recent blast by an excavator operator whilst mining the material. There were no visible signs of a misfire in the muck pile and it is thought the explosive product was from the sub-drill of an old blast on the bench above. The area was isolated and the blasting contractor was called to remove the explosives from the muck-pile. [317613631001]

#### Mech Equip Fixed (2)

##### MHSR 2007 CI 145(e) uncontrolled explosion or fire (2)

- Smouldering of the sheath of redundant electrical cables caused by contact with falling embers and sparks from oxy-cutting in the shaft above. Extinguished with hand held extinguishers. [317612613001]

- A fire started when drive belts powering a small cone crusher began slipping on the pulleys, overheated and ignited plastic cowling used as a guard to protect the belts from overhead falling pebbles. The fire was extinguished using hand held fire extinguishers. The emergency response team was called to provide fire watch to ensure no further flare up. There were no injuries. [317613486001]

#### Mech Equip Mobile (12)

##### MHSR 2007 CI 145(c)(i) damage to any plant, equipment, building or structure (2)

- Light vehicle hire vehicle reversed approximately 2 metres from parked position and driver heard noise from front end. Driver parked vehicle and investigated and discovered failed tie rod end. Light vehicle isolated pending investigation by competent person. All light vehicle hire vehicles removed from mine by end of shift. Mine equipment standard under review, will address MDG15, will include contractors plant. [317613647001]
- While shotcreting, the boom mounting swivel broke in half causing the boom to fall within one metre of the operator. The apparent cause was metal fatigue. [317613713001]

##### MHSR 2007 CI 145(c)(v) unintended activation or movement of vehicles/machinery (1)

- Unplanned movement of light vehicle when vehicle was left in neutral with the hand brake half applied. [317613788001]

##### MHSR 2007 CI 145(e) uncontrolled explosion or fire (1)

- A fire started in the exhaust manifold of an underground loader as a result of a failed turbo charger. The fire suppression automatically activated and an additional hand held fire extinguisher was used to extinguish the fire. There were no injuries. [317612629001]

##### MHSR 2007 CI 145(i) collision involving vehicle or other machinery that results in substantial damage, impedes safe operations (2)

- Loader operator moving stockpile chute reversed into leg on pipe support tower. [317612623001]
- Front end loader backed into conveyor support - loader reversed not seeing conveyor support [317615073001]

##### MHSR 2007 CI 145(k) overturning of vehicle or other machinery (4)

- The body of a contractor's truck rolled over to one side while being raised to tip sand onto a stockpile. [317612595001]
- A 4wd station wagon travelling on a surface haul road failed to negotiate a slight bend and skidded out of control for about 100 metres before rolling twice and coming to rest on its wheels. The driver appeared to be uninjured but was transferred to hospital where he was examined and released. The vehicle was examined and found to be in good order. Investigation concluded driver travelling at excessive speed. [317612937001]

## Metalliferous, Extractives & Other Non-Coal

### Mech Equip Mobile (12)

#### MHSR 2007 CI 145(k) overturning of vehicle or other machinery (4)

- The rear trailer of an A-B triple overturned while tipping mineral product. Truck was too large for density of material. [317613231001]
- Loader rolled on its side while being operated on tele remote control [317613031001]

### High Potential (2)

- During a dredging operation a barge and a RMS ferry collided into each other with a higher impact level than normal. Minor damage was sustained on the barge. [317613188001]
- Light vehicle rolled over on public road on exploration lease while travelling between drill site and mine office [317613332001]

### Strata/Ground Control (2)

#### MHSR 2007 CI 145(n) unplanned fall of ground that impedes passage, disrupts production or ventilation or involves failure of ground support where persons could be present (1)

- Fall of small rocks from face. Charge up operator working at face was struck by the rocks and sustained minor abrasions. [317613709001]

### High Potential (1)

- Failure of a section of weathered material occurred along an upper bench wall of the quarry overnight. About 2 months earlier, blasting of the bench below resulted in significant back-break to the toe of the bench above which may have weakened the rock structure, causing the failure. No personnel were in the quarry at the time and the area has been bunded to prevent equipment access and an inspection of the bench integrity is underway. [317613396001]

### Work Environment (2)

#### MHSR 2007 CI 145(c)(i) damage to any plant, equipment, building or structure (1)

- A chain block was used to provide tension on a tool (drift) which was being used to align a bolt hole on a steel structure. The hook slipped off the tool and hit a rigger in the face. [317614059001]

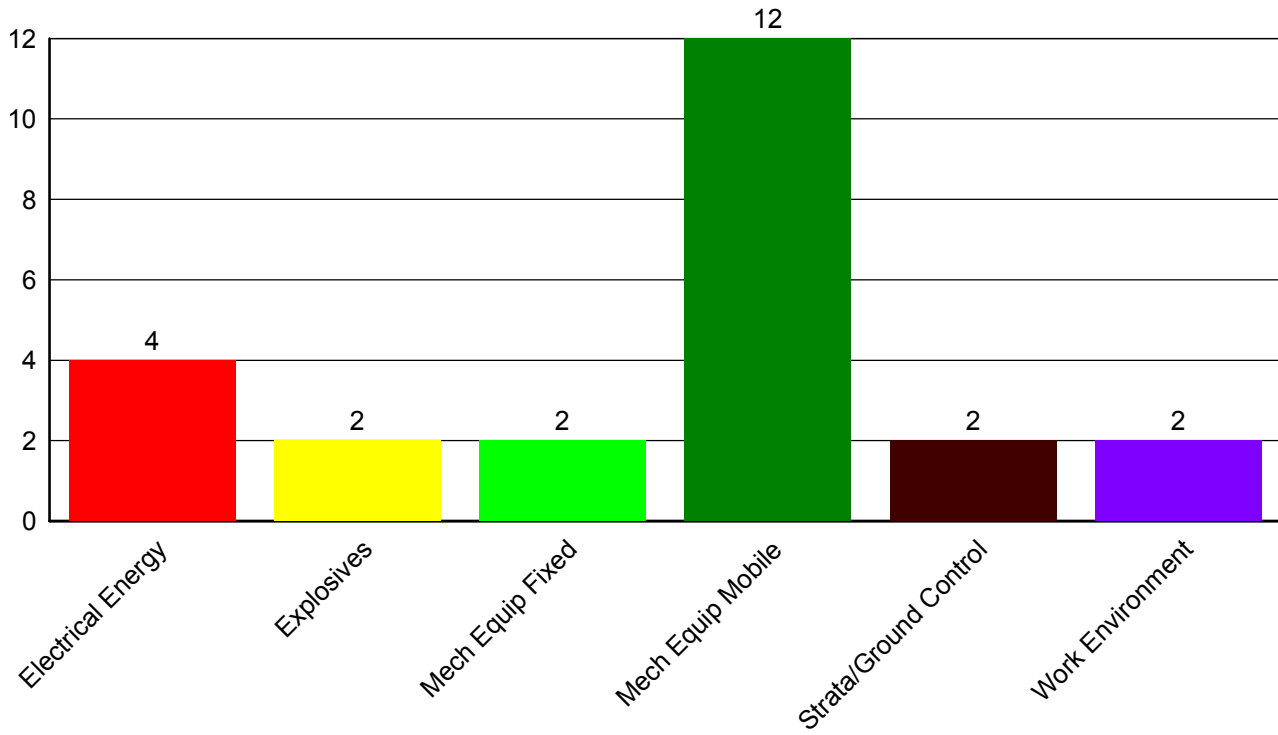
### High Potential (1)

- Operator overbalanced after stepping into a small hole, fell over and hit head on jumbo jack [317613559001]

**Number of Notifiable and High Potential Incidents  
NSW Metalliferous, Extractives & Other Non-Coal -  
September 2012: 24**

**Summary**

<b>Summary</b>		<b>Total</b>
<b>Electrical Energy</b>	MHSR 2007 CI 145(c)(ii) imminent risk of explosion or fire	1
	MHSR 2007 CI 145(d)(i) involving electricity, person suffers injury, receives medical treatment or unable to attend work	1
	MHSR 2007 CI 145(d)(iii) involving electricity, person receives electric shock from source operating above extra low voltage	2
	<b>Total</b>	<b>4</b>
<b>Explosives</b>	MHSR 2007 CI 145(l) ejection of fly rock so that it falls outside blast exclusion zone	1
	Explosives Regulation 2005 : 75(1)(c) incident involving explosives and involving risk of an uncontrolled explosion or fire or of any such death, injury or damage	1
	<b>Total</b>	<b>2</b>
<b>Mech Equip Fixed</b>	MHSR 2007 CI 145(e) uncontrolled explosion or fire	2
	<b>Total</b>	<b>2</b>
<b>Mech Equip Mobile</b>	MHSR 2007 CI 145(c)(i) damage to any plant, equipment, building or structure	2
	MHSR 2007 CI 145(c)(v) unintended activation or movement of vehicles/machinery	1
	MHSR 2007 CI 145(e) uncontrolled explosion or fire	1
	MHSR 2007 CI 145(i) collision involving vehicle or other machinery that results in substantial damage, impedes safe operations	2
	MHSR 2007 CI 145(k) overturning of vehicle or other machinery	4
	<b>High Potential</b>	<b>2</b>
	<b>Total</b>	<b>12</b>
<b>Strata/Ground Control</b>	MHSR 2007 CI 145(n) unplanned fall of ground that impedes passage, disrupts production or ventilation or involves failure of ground support where persons	1
	<b>High Potential</b>	<b>1</b>
	<b>Total</b>	<b>2</b>
<b>Work Environment</b>	MHSR 2007 CI 145(c)(i) damage to any plant, equipment, building or structure	1
	<b>High Potential</b>	<b>1</b>
	<b>Total</b>	<b>2</b>
<b>Total</b>		<b>24</b>



For further information, please contact your local NSW Trade & Investment Mine Safety Office.

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<http://www.resources.nsw.gov.au/safety/mine-safety-offices>